

CLAIM AMENDMENTS

IN THE CLAIMS

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

Claims 1-22 (Cancelled).

Claims 23-24 (Cancelled).

Claim 25 (Currently Amended): The method according to claim ~~[[24]]~~ 26, further comprising including with the at least one further of the control parameters ~~[[the]]~~ a channel number of the one of the plurality of different time channels, in which the data packet in question is sent.

Claim 26 (Currently Amended): ~~The method according to claim 24, further comprising~~ A method for transmitting control parameters on a physical channel between a mobile radio device and a base station in a cellular network, comprising:

providing with the control parameters a packet number for identifying a data packet;

source coding, via a source coding device, the packet number together with at least one further of the control parameters for the transmission, wherein the control parameters are used for controlling a packet-oriented data transmission between the mobile radio device and the base station;

transmitting, via a transmission device, the at least one further of the control parameters and the packet number between the mobile radio device and the base station;

implementing by a temporal distribution of the same physical channel, a plurality of different time channels available for sending data packets;

re-transmitting a data packet on one of the plurality of different time channels using the transmitting device in each instance, until the transmitting device receives a confirmation signal from a receiving device; and

using at most so many different ones of the plurality of different time channels such that a sum of transmission time intervals of the different ones of the plurality of different time channels covers a round-trip time span at the end of which a re-transmission after a previous transmission can take place at the earliest on a specific one of the plurality of different time channels.

Claim 27 (**Currently Amended**): The method according to claim ~~[[24]]~~ 26, wherein a number of re-transmissions of ~~[[a]]~~ the data packet are superimposed to decode ~~[[a]]~~ the data packet.

Claim 28 (**Currently Amended**): The method according to claim 27, wherein an incremental redundancy method is used during the data packet transmission and the at least one further of the control parameters includes a redundancy version indicator.

Claim 29 (**Currently Amended**): The method according to claim ~~[[24]]~~ 26, wherein the data packet transmission takes place by means of a multi-channel HARQ transmission method and the at least one further of the control parameters includes an HARQ parameter.

Claim 30 (**Currently Amended**): The method according to claim ~~[[24]]~~ 26, wherein different numbers of packet numbers are assigned to different time channels, which are available for identifying ~~[[a]]~~ the data packet on the time channel in question.

Claim 31 (Currently Amended): ~~The method according to claim 28,~~ A method for transmitting control parameters on a physical channel between a mobile radio device and a base station in a cellular network, comprising:

providing with the control parameters a packet number for identifying a data packet;

source coding, via a source coding device, the packet number together with at least one further of the control parameters for the transmission, wherein the control parameters are used for controlling a packet-oriented data transmission between the mobile radio device and the base station;

transmitting, via a transmission device, the at least one further of the control parameters and the packet number between the mobile radio device and the base station;

implementing by a temporal distribution of the same physical channel, a plurality of different time channels available for sending data packets; and

re-transmitting a data packet on one of the plurality of different time channels using the transmitting device in each instance, until the transmitting device receives a confirmation signal from a receiving device;

wherein a number of re-transmissions of the data packet are superimposed to decode the data packet;

wherein an incremental redundancy method is used during the data packet transmission and the at least one further of the control parameters includes a redundancy version indicator;

wherein different numbers of redundancy version indicators are assigned to different time channels of the plurality of different time channels, which are available for signaling the redundancy version of [[a]] the data packet transmission on the time channel.

Claim 32 (Currently Amended): The method according to claim ~~[[24]]~~ 31, wherein ~~[[the]]~~ at least one of a number of packet numbers ~~and/or and a~~ number of redundancy version indicators of at least one of the plurality of different time channels are varied ~~is/are~~ variable.

Claim 33 (Previously Presented): The method according to claim 32, wherein the number of redundancy version indicators of the time channel in question is modified according to a predefined sequence at specific time intervals.

Claim 34 (**Currently Amended**): The method according to claim ~~[[24]]~~ **31**, wherein ~~[[the]]~~ **at least one of a** number of packet numbers ~~and/or~~ **and a** number of redundancy version indicators of at least one of the **plurality of different** time channels ~~is/are~~ **are** selected in each instance as a function of the current transmission situation.

Claim 35 (**Currently Amended**): The method according to claim ~~[[23]]~~ **31**, wherein transmission resources are allocated to a specific transmitting device taking into account **at least one of** ~~[[the]]~~ **a** number of **different** time channels used by the device in question, ~~and/or the numbers~~ **a number** of packet numbers, ~~and a number~~ ~~and/or numbers~~ of the redundancy version indicators of the different time channels of the **specific transmitting** device in question.

Claim 36 (Currently Amended): ~~The method according to claim 30,~~ A method for transmitting control parameters on a physical channel between a mobile radio device and a base station in a cellular network, comprising:

providing with the control parameters a packet number for identifying a data packet;

source coding, via a source coding device, the packet number together with at least one further of the control parameters for the transmission, wherein the control parameters are used for controlling a packet-oriented data transmission between the mobile radio device and the base station;

transmitting, via a transmission device, the at least one further of the control parameters and the packet number between the mobile radio device and the base station;

implementing by a temporal distribution of the same physical channel, a plurality of different time channels available for sending data packets; and

re-transmitting a data packet on one of the plurality of different time channels using the transmitting device in each instance, until the transmitting device receives a confirmation signal from a receiving device;

wherein different numbers of packet numbers are assigned to different time channels, which are available for identifying the data packet on the time channel in question;

wherein during selection of the one of the plurality of different time channels for a pending transmission of ~~[[a]] the~~ data packet, the plurality of different time channels are prioritized according to their numbers of packet numbers.

Claim 37 (Currently Amended): The method according to claim ~~[[24]]~~ 36, wherein a packet number distribution function, which defines ~~the numbers~~ a number of packet numbers assigned to ~~[[the]]~~ individual time channels in the plurality of different time channels, is a monotonously increasing or monotonously decreasing function with respect to ~~in respect of the~~ channel numbers of ~~[[the]]~~ available time channels.

Claim 38 (Currently Amended): The method according to claim ~~[[24]]~~ 36, wherein ~~[[the]]~~ one of the plurality of time channels is selected for ~~[[a]] the~~ pending transmission of

[[a]] the data packet according to a specific selection rule, taking into account when different combinations of channel numbers and packet numbers were last used.

Claim 39 (**Currently Amended**): The method according to claim [[24]] 36, wherein a time channel is selected for [[a]] the pending transmission of [[a]] the data packet taking into account temporal information relating to transmissions to date on the different time channels of the plurality of different time channels.

Claim 40 (**Currently Amended**): The method according to claim 39, wherein [[the]] one of the plurality of different time channels is selected for [[a]] the pending transmission of [[a]] the data packet taking into account [[the]] use times to date of the different time channels of the plurality of different time channels.

Claims 41-44 (**Cancelled**).